





Critical: Clear structural opening sizes

Please note - Bearer opening sizes shown in this 'Between the rafter' detail are equal to structural sizes for 'On the rafter' installations.

Before creating the clear structural opening size, please verify that part 7b will provide the minimum 5 degree fall for shedding rain water at the cill.

This will be based on the size of the cill bearers (Value Y) which will vary according to changes in the roof pitch (Value Z) and height of roof build up above the rafters (Value X).

In this example; Value Y is 150mm, based on a Value X being 60 and Value Z being 30 degrees.

Key:

1. The Conservation Rooflight, with Ironmongery Option 1b fixed to bearers 20c at jamb using coach bolts fitted through fixing rail 1c.
2. Structural rafter support at jamb and structural trimmer support at head and cill 2b.
3. Insulation fitted between structural supports.
4. Fix timber packers to structural support 20, 20b & 20c at the top and base of the roof build up. The cill timber packer 4b must be larger to provide a secure fixing point for the ironmongery. Fix 18mm ply packer to the timber packers 4c.
5. Fit insulation between the timber packers 4.
6. Plasterboard lining with plasterboard stop 6b to project the corner. Plasterboard fitted behind the thermoliner of the rooflight 1e.
7. Plaster skim
8. Timber reveal to align with rooflight linings 1d to provide 'frameless' internal appearance. Rooflight linings 1d MUST BE PAINTED with a timber finishing paint once the rooflight is installed to ensure longevity of this component. If the linings 1d have been factory painted, they do not require an additional paint finish.
9. Head hardwood tilting fillet.
- 9b. Cill hardwood tilting fillets - to provide minimum 5 degree fall for shedding rain water.
- 10 & 16. Line of breathable membrane. Roofing membrane must be allowed to 'sag' between rafters
11. Softwood battens.
12. Code 3 (consider using code 4 and clipping down roof tiles in severer exposures) lead flashing at head. Carry flashing up the roof and lap UNDER general roofing membrane 10, 16 and UNDER head membrane 17.
- 12b. Code 4 (consider clipping flashing and roof tiles down in severer exposures) lead flashing at cill over tilting fillet 9b. Make the flashing long enough to give triple lap to the tiles below.
13. Roofing tiles.
14. Jamb flashing assembly - uPVC soaker upstand. Maximum installed height from top of soaker to top of structural support is 124mm. Trim soaker to accommodate differing tile types. Refer to the Flashing Kit installation guide for more information.
15. Perimeter silicone seal. Seal perimeter of rooflight 1 JUST PRIOR TO installation of the rooflight using a thick continuous bead of low modulus neutral cure silicone sealant. Ensure sealant to cill 15b is located in a position where it will be covered by the cill flange of the rooflight.
17. Roofing membrane to rooflight head. Dress UNDER general roofing membrane 16, OVER lead flashing 12 and OVER general roofing membrane 10 to ensure suitable lap.
18. Vapour barrier.
19. Softwood batten to be fitted under head tilting fillet.
20. Bearers support the rooflight and transfer the load to the rafter 2 and trimmer 2b structural support members. The size of cill bearers (Value Y) 20b is determined from the roof pitch (Value Z), depth of the roof build up (Value X) and ensuring that the tilting fillets 9b provide the minimum 5 degree fall.
21. Suggested fixings; Threaded rods to secure the bearers 20, 20b and 20c to the structural support members 2, 2b.

Please Note:

These sectional details are provided as an installation suggestion. Due to the differing nature of installations we strongly advise you to consult your rooflight installer to verify fitness for purpose. This drawing does not constitute a structural proposal. Sufficiency of structural supports to be checked by rooflight purchaser's structural consultant.

TITLE :
The Conservation Rooflight®
 > A roof window range suitable for pitched roofs between 17.5° and 65°
 > Detail applicable ONLY to rooflight models with integral casement timber linings

Cold Roof | Slate Tile | Flashing Kit
'Between the rafter' installation detail

DWG NO. : CR_CRSF_FK_B **SHEET NO. :** 1 OF 1 **REVISION:**

SCALE : 1:5 @ A3 DO NOT SCALE **DATE :** 12/12/2019

This is a suggested installation detail which may not be exactly applicable to all situations and constructions. It is not a detailed or constructional proposal. Installers and designers are advised to check their own details for compliance with all currently applicable Local Authority by-laws, Acts of Parliament and British / ISO standards.

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DB: PD
 CB: KR
 Rev B - Structural note pos updated.

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